

Canon

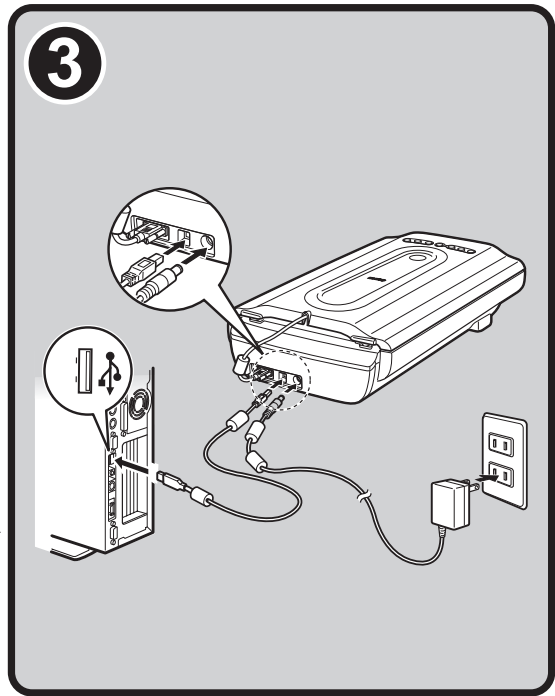
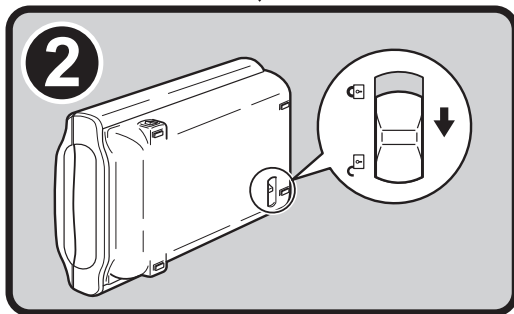
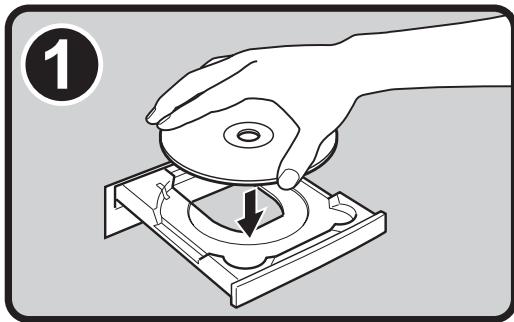
CanoScan 8600F

Quick Start Guide

Please read this guide before operating this scanner. After you finish reading this guide, store it in a safe place for future reference.

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FCC Notice (U.S.A. Only)

For 120V, 60Hz model

Model Number : K10294

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)

This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

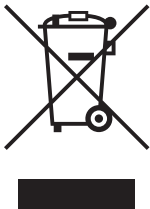
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of a shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

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Lake Success, NY 11042
1-516-328-5600

European Union (and EEA) only.



This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service. For more information regarding return and recycling of WEEE products, please visit www.canon-europe.com/environment.

(EEA: Norway, Iceland and Liechtenstein)

For Customers in Europe, Middle-East, Africa and Russia only

For Canon Customer Support contacts, please see the back cover of the European Warranty System (EWS) Booklet or visit www.canon-europe.com.

Warning

When you use this product, you should pay attention to the following legal issues:

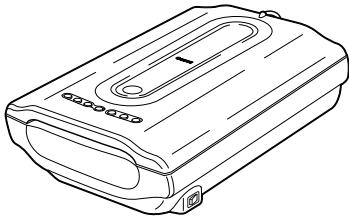
- Scanning of certain documents, such as bank notes (bank bills), government bonds and public certificates, may be prohibited by law and may result in criminal and/or civil liability.
- You may be required under law to obtain authorization from a person possessing copyrights or other legal rights to the item being scanned.

If you are uncertain of the legality of scanning any particular item, you should consult your legal adviser in advance.

- Adobe®, Adobe® RGB (1998) and Photoshop® Elements are either registered trademarks or trademarks of Adobe Systems Incorporated in the U.S. and/or other countries.
- Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries.
- Macintosh® and Mac® are trademarks of Apple Computer, Inc., registered in the U.S. and other countries.
- ©ArcSoft, Inc. All rights reserved for PhotoStudio.
- Other names and products not mentioned above may be registered trademarks or trademarks of their respective companies.

Package Contents

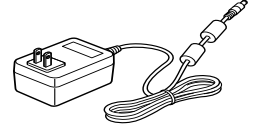
Scanner and Accessories



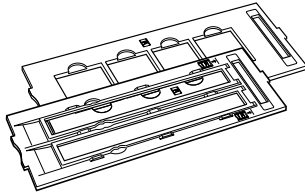
Scanner



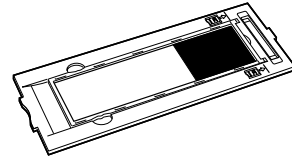
USB Cable



AC Adapter



Film Guides
(for 35mm film strip/slide)



Film Guide
(for 120 format film)

Documentation

- Quick Start Guide (this document)
- Additional Documents

CanoScan Setup Utility CD-ROM

- **Software Programs**
 - ScanGear (scanner driver)
 - CanoScan Toolbox
 - ArcSoft PhotoStudio
 - Presto! PageManager (Windows only)
 - ScanSoft OmniPage SE (not supported for Windows 98 First Edition)
 - Adobe RGB (1998) (Windows only)
- **On-screen Manuals**
 - Scanning Guide (for ScanGear, CanoScan Toolbox, and troubleshooting)
 - Manuals for bundled application programs

Adobe Photoshop Elements 4.0 CD-ROM

- Windows CD-ROM (English/French/German)
- Macintosh CD-ROM (English)

Refer to the instruction sheet for installing.

*In this guide, Windows XP screenshots are used to illustrate explanations common to all operating systems.

Installing the Software



- Do NOT connect the scanner to a computer before installing the software. If you connect the scanner and the Found New Hardware Wizard appears, click [Cancel].
- Quit all running applications before installation, including anti-virus software.
- For Windows 2000/XP, log in as an administrator to install the software.

1 Place the CanoScan Setup Utility CD-ROM in the drive.

CanoScan Setup Utility program starts.

- For Macintosh: Double-click the [Setup] icon. Enter the administrator ID and password on the authentication dialog box.

2 Click [Easy Install] on the main menu.

3 Click [Install] to start installation.

Carefully read the License Agreement, and then click [Yes] to proceed.

Follow the on-screen instructions to perform the installation. All the software programs and on-screen manuals will be installed on your computer.

4 When the Information dialog is displayed, click [ok] to restart your computer.

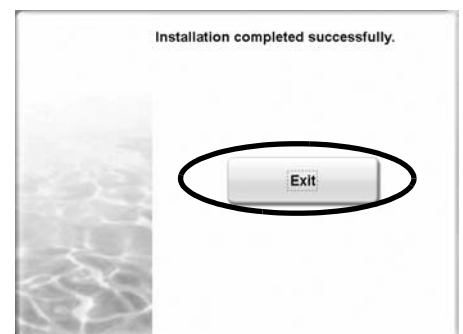
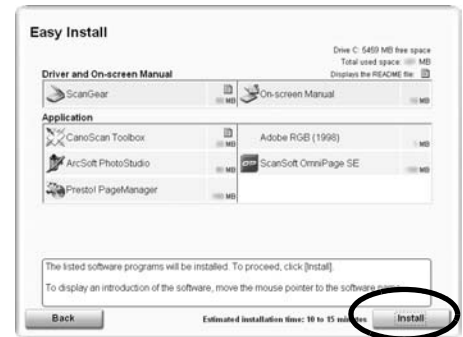
- For Macintosh: Skip this step and go to the step 5.

5 Follow the on-screen instructions to register your product.

6 When the installation is complete, click [Exit].

- For Macintosh: Click [Restart] to restart your computer.

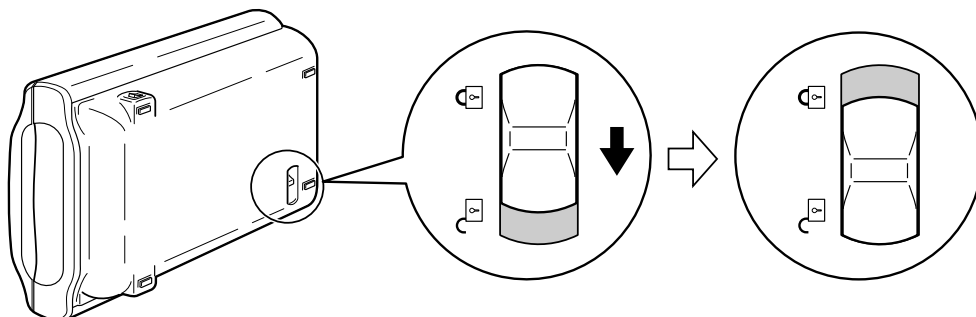
- Make sure to remove the CD-ROM from the drive and store it in a safe place.
- If you encounter a problem during installation, see "Troubleshooting" in the *Scanning Guide*.
- If you later upgrade your OS to Windows XP, reinstall the software.



Preparing the Scanner

Unlocking the Scanner

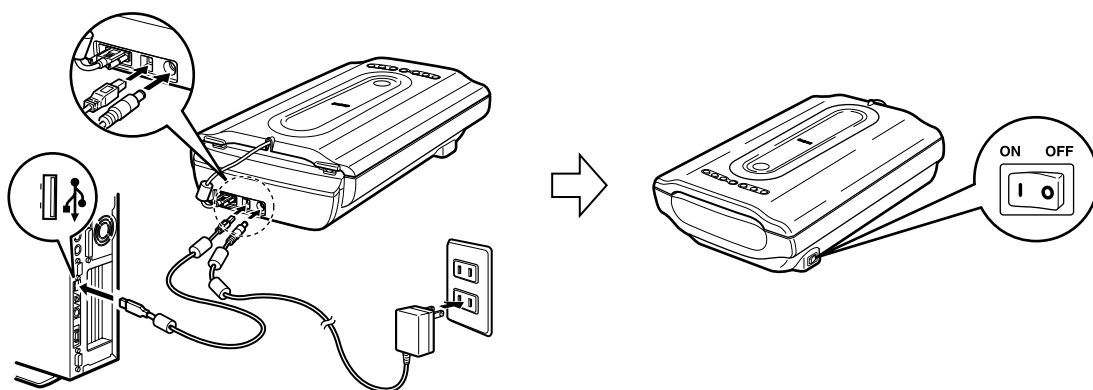
- 1 Peel the seals off the scanner.
- 2 Slide the lock switch on the bottom of the scanner toward the unlock mark (🔓).



- Do not tilt the scanner more than 90 degrees from horizontal when releasing the lock.
- Handle the scanner with both hands. Be careful not to drop the scanner.
- Always lock the scanner when carrying or transporting it.
- When locking the scanner, do not lift up the back and tilt the front (scanner button location) downward. You may be unable to set the lock.

Connecting the Scanner

- 1 Attach the FAU cable to the FAU connector.
- 2 Connect the scanner to your computer with the supplied USB cable.
- 3 Connect the supplied AC adapter to the scanner, and then plug in.
- 4 Press (I) to turn the power on.



- Only use the USB cable and the AC adapter provided with the scanner. Use of other cables or adapters may lead to a malfunction.
- When the scanner is connected to the USB 1.1 port on Windows XP and "HI-SPEED USB Device Plugged into non-HI-SPEED USB Hub" message appears, ignore the message. The scanner operates in this condition without problems.

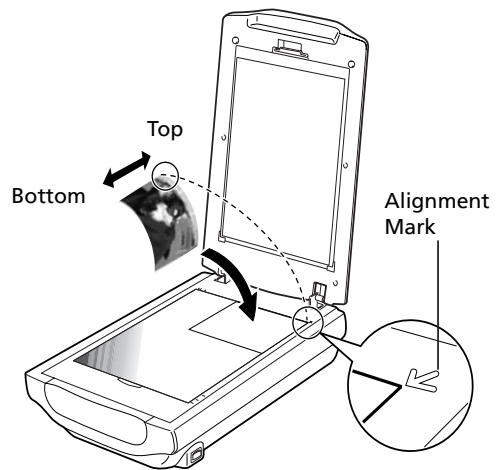
Try Scanning

This section explains the basic scanning procedures using the image editing program, ArcSoft PhotoStudio, and the scanner driver, ScanGear.

1 Place a document on the document glass and close the document cover.

2 Start ArcSoft PhotoStudio.

For Windows: Select [start] - [(All) Programs] - [ArcSoft PhotoStudio 5.5], then click [PhotoStudio 5.5].
For Macintosh: Open [Applications] - [PhotoStudio] folders, then double-click the [PhotoStudio] icon.



3 From the [File] menu, click [Select Source] and select the scanner model.

For Windows: Do not select the one that includes [WIA] in the model name.


4 Click the [Acquire] icon  to start ScanGear.

5 Select the type of document you are scanning in [Select Source] and click [Preview].

6 Set [Destination] and/or [Output Size] as needed.


7 Click [Scan] to start scanning.



 Do not touch the scanner while it is operating.

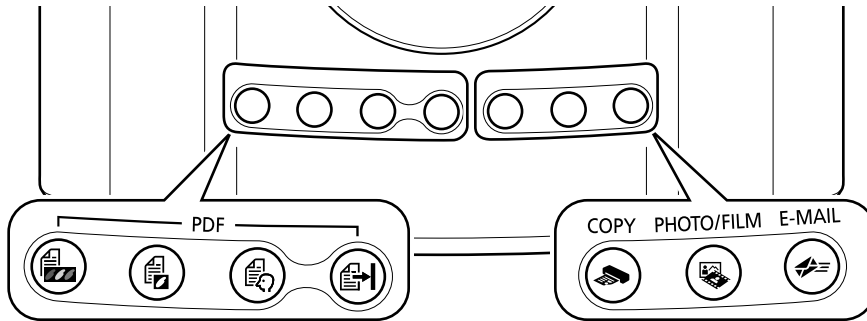
8 When prompted to close ScanGear, click [OK].

9 Save the scanned image in ArcSoft PhotoStudio and close the window.

• For more information on scanning using ScanGear, bundled applications, and troubleshooting, see the on-screen manual *Scanning Guide*. To open the *Scanning Guide*, double-click the Scanning Guide icon on the desktop, or click on  in ScanGear or CanoScan Toolbox.

Using the Scanner Buttons

Scanner buttons allow you to copy, scan, e-mail, and save scanned images in PDF format with a press of a button. Simply place your document on the scanner, and then press the scanner button for the required function. For more information, see the *Scanning Guide*.



PDF Buttons

PDF buttons allow you to easily create PDF files according to your needs. Note that these buttons are not labeled on the scanner.



COLOR Button

Scans color images in A4 or Letter size* at 300 dpi.



BLACK & WHITE Button

Scans black & white images in A4 or Letter size* at 300 dpi.



CUSTOM Button

Scans images in user-specified settings.



FINISH Button

Ends the operation and saves the scanned image in a PDF file.

*The size may differ depending on your system environment.



COPY Button

Prints (copies) the scanned image with a printer.



PHOTO/FILM Button

Opens the scanned image in the bundled application program, ArcSoft PhotoStudio.



E-MAIL Button

Attaches the scanned image to a new e-mail message.

The first time you press this button, you will be prompted to select the e-mail program to use with this function.

• Before using scanner buttons, make sure that all the software programs are installed on your computer using the [Easy Install] option of the CanoScan Setup Utility program. See "Installing the Software" on page 2.

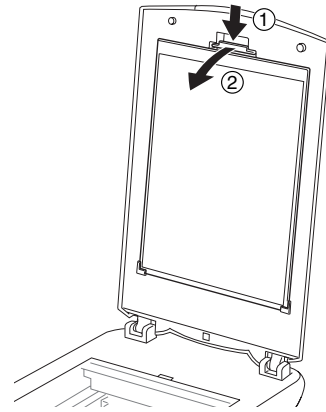
• **For Mac OS X 10.3 and 10.2.8:** Before using the scanner buttons, you need to set Image Capture (in [Applications] folder) to open CanoScan Toolbox automatically when a scanner button is pressed. Start Image Capture, and then perform the following.
 - Mac OS X 10.3: Click [Options] and select CanoScan Toolbox in [When a scanner button is pressed, open:].
 - Mac OS X 10.2.8: Select [Other] in [When a scanner button is pressed, open:]. Select CanoScan Toolbox and click [Open]. Click [OK] and quit Image Capture. For more information, see "Troubleshooting" in the *Scanning Guide*.

Scanning Film

This scanner can scan 35 mm film (film strip or slide) and 120 format film. Follow the procedure below when scanning film. Make sure that the FAU Cable is connected to the FAU connector on the back of the scanner.

1 Remove the protective sheet from the document cover.

Press and hold the lever at the top of the protective sheet while you ① pull the sheet outward and ② detach it.



- Store the protective sheet in a safe place so that it will not get bent or broken.
- Always put the protective sheet back when you are not scanning film to protect the light source in the document cover.

2 Insert the film into the Film Guide.

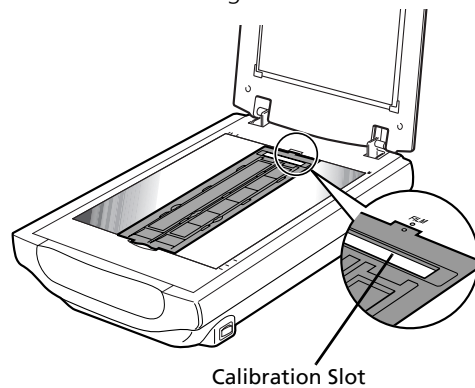
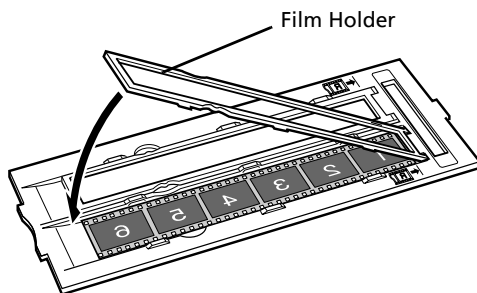


- Use a blower brush to remove any dust from the film, which will affect the image quality, and take care to hold the film by its edges to avoid transferring dirt or fingerprints to it.
- Do not block the calibration slot on the Film Guide when scanning film. Colors will not be scanned correctly if the calibration slot is obstructed.
- Close the Film Guide securely. Press lightly until it clicks into place.

35mm Film Strip

① Open the film holder on the film guide, place the film face down and close the film holder.

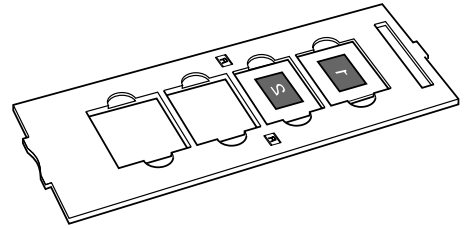
② Align the Film Guide's tab with the FILM symbol on the document glass of the scanner.



- Place a black piece of paper over any gap to shield the light if you are inserting a film strip with 5 or fewer frames, or if the edge of a scanned image appears whitened.
- Ensure that there is no gap between the edge of the film and the film guide on the side near the calibration slot.

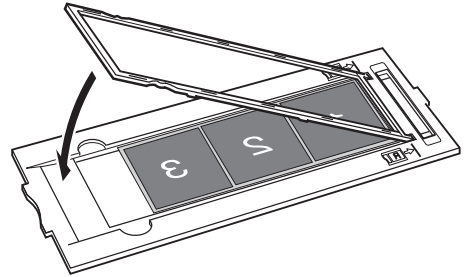
35mm Slides

- ① Align the Film Guide's tab with the FILM symbol on the document glass of the scanner.
- ② Place a slide or slides face down (correctly viewed from below) in the Film Guide as shown in the diagram to the right.



120 Format Films

- ① Open the film holder on the film guide, place the film face down and close the film holder.
- ② Align the Film Guide's tab with the FILM symbol on the document glass of the scanner.



- Leave a gap of 5 mm or greater between film strips when placing two or more on the document glass.
- Ensure that there is no gap between the edge of the film and the film guide on the side near the calibration slot.

Using a Film Retainer Sheet

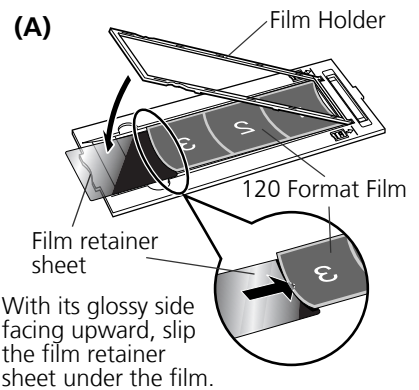
Curled film strips can stick to the document glass and cause a pattern of rings called Newton Rings to appear on the scanned image. If this occurs, scan using the supplied film retainer sheet as shown in the diagram.

- (A) Scan with the film retainer sheet inserted beneath the film.
- (B) If Newton Rings still appear after following Instruction (A), turn the film strip over and place it in the film holder with the film retainer sheet on top so that the film edges are held down for scanning. Then preview the image in ScanGear and click the [Mirror] button to reverse the image before initiating the final scan.



To avoid damaging the film, always place the glossy side (the side without an illustration) of the film retainer sheet against the film.

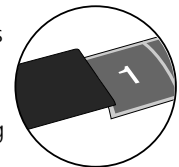
(A)



With its glossy side facing upward, slip the film retainer sheet under the film.

(B)

Hold the film edges down by placing the film retainer sheet on top with its glossy side facing downward.

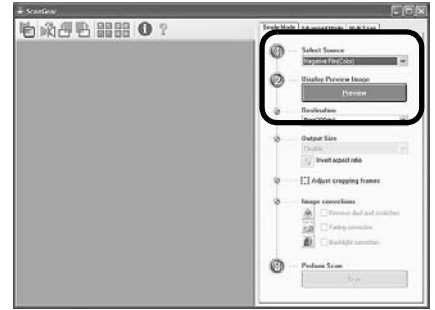


3 Close the document cover.

Scanning Film

- 4 Start ArcSoft PhotoStudio, then start ScanGear.
Follow the steps 2 to 4 in "Try Scanning" on page 4.

- 5 Select [Negative Film (Color)] or [Positive Film (Color)] in [Select Source] to match the type of film you are scanning, then click [Preview].

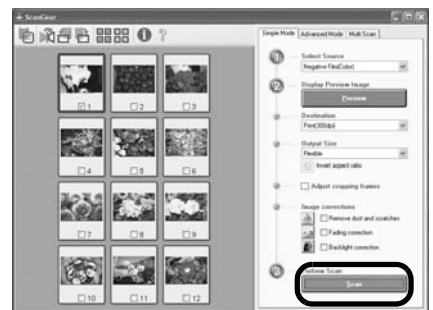


- 6 Place a check mark beside the number(s) of the frame(s) you want to scan. Perform image corrections as needed.

- 7 Click [Scan] to start scanning.



Do not move the scanner while it is operating.



- 8 When prompted to close ScanGear, click [OK].

- 9 Save the scanned image in ArcSoft PhotoStudio and close the window.



- Do not leave the film strip in the film guide for an extended period of time as heat from the unit may damage the film.
- For more information on scanning film, see "Scanning Film" in the *Scanning Guide*.

Specifications

		CanoScan 8600F
Scanner Type		Flatbed
Scanning Element		CCD 6-line color
Light Source		Cold cathode fluorescent lamp
Optical Resolution *1		4800 x 9600 dpi
Selectable Resolution		25–19200 dpi (ScanGear)
Scanning Bit Depth	Color	48 bit input (16 bit for each color) 48 bit or 24 bit output (16 bit or 8 bit for each color)
	Grayscale	48 bit input (16 bit for each color) 16 bit *2 or 8 bit output
Scanning Speed *3 (Photo or Document)	Color	6.9 msec./line (2400 dpi), 13.8 msec./line (4800 dpi)
	Grayscale, B&W	6.9 msec./line (2400 dpi), 13.8 msec./line (4800 dpi)
Scanning Speed *3 (Film)		6.8–67.5 msec./line
Preview Speed *3*4		Approximately 4 sec.
Interface		USB 2.0 Hi-Speed
Maximum Document Size		A4/Letter: 216 x 297 mm
Film Type/Number of Frames		35 mm strip (12 frames max)/35 mm slide (4 frames max) 120 format film : max. 6 x 22 cm (filmstrip only)
Scanner Buttons		7 buttons (PDF x 4, COPY, PHOTO/FILM, E-MAIL)
Operating Range	Temperature	10°C to 35°C (50°F to 95°F)
	Humidity	10% to 90% RH, 20% to 80% RH for film scanning without condensation formation
Power Requirements		AC adapter (100/120/230/240V) *5
Power Consumption		In operation: 18 watts maximum, Stand-by: 5 watts, Switch-off: 0.5 watts (Using supplied AC adapter)
Maximum Exterior Dimensions		283 x 467 x 120 mm (11.2 x 18.4 x 4.7 in.)
Weight		Approximately 4.3 kg (9.3 lbs.)

*1 Optical Resolution represents the maximum sampling rate based on ISO 14473.

*2 For film scanning only.

*3 The fastest speed in USB 2.0 Hi-Speed mode on Windows PC. Transfer time is not included. Scanning speed varies according to the document types, scan settings, or specifications of the computer.

*4 Calibration processing time is not included.

*5 AC adapter type varies according to the region in which the scanner is purchased.

Use only AC adapters listed in the user instructions.(Canon AC Adapter: K30279 is for United Kingdom and K30278 is for other EU countries). Do not use them for other products.

- Specifications are subject to change without notice.

Model Number: K10294 (CanoScan 8600F)

The socket-outlet shall be installed near the equipment and shall be easily accessible.

(Hg) LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS.



As an ENERGY STAR[®] Partner, Canon Inc. has determined that this model meets the ENERGY STAR[®] Program for energy efficiency.

The International ENERGY STAR[®] Office Equipment Program is an international program that promotes energy saving through the use of computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, displays, printers, facsimiles, copiers, scanners and multifunction systems. Their standards and logos are uniform among participating nations.